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Pawfly Pawfly-2595

Pawfly 50W Reef Tank LED Light Instruction Manual

Model: Pawfly-2595

1. INTRODUCTION

Thank you for choosing the Pawfly 50W Reef Tank LED Light. This product is designed to provide optimal lighting conditions for SPS and LPS corals in saltwater aquariums, promoting healthy growth and vibrant coloration. This manual will guide you through the installation, operation, and maintenance of your new LED light.

2. SAFETY INFORMATION

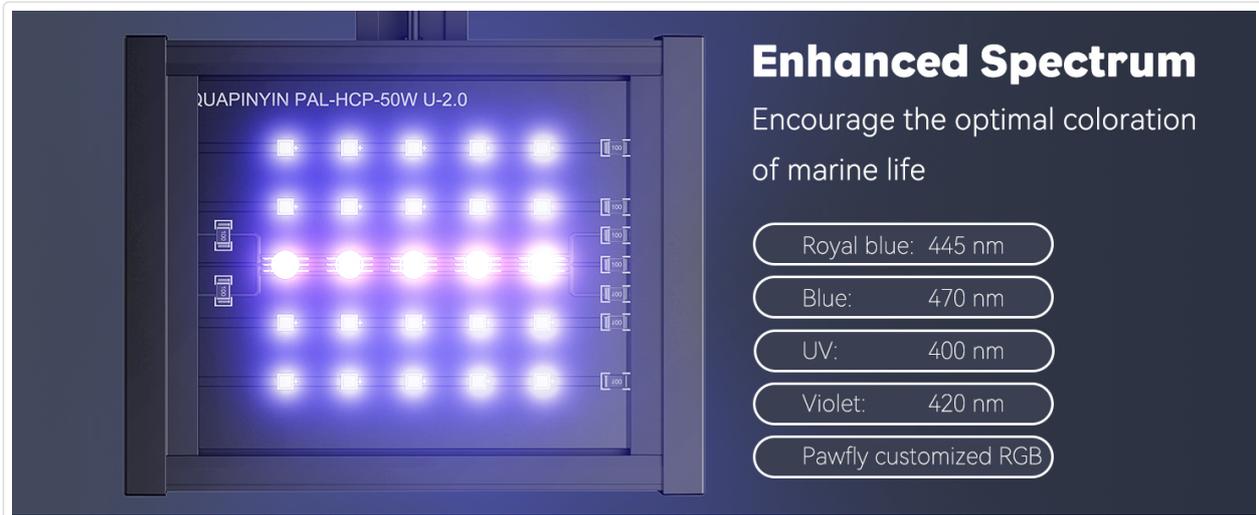
- Always unplug the light from the power outlet before performing any maintenance, cleaning, or installation.
- Do not operate the light if the power cord or plug is damaged.
- Ensure your hands are dry when handling the power adapter and plug.
- This product is designed for indoor use only and should not be exposed to direct water spray or submersion.
- Keep out of reach of children.
- Ensure the light is securely mounted to prevent it from falling into the aquarium.

3. PACKAGE CONTENTS

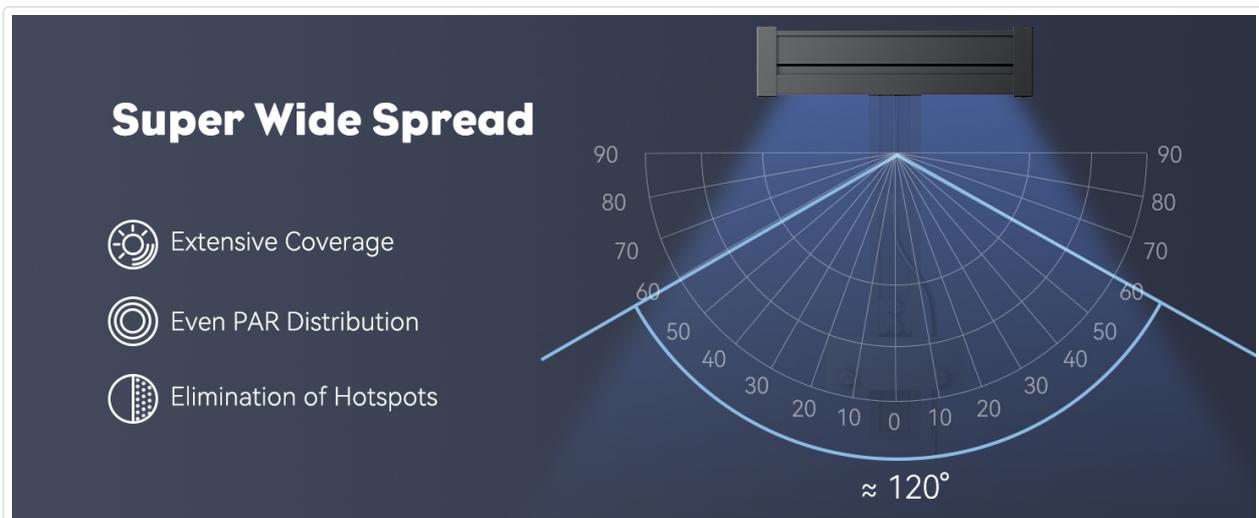
- Pawfly 50W Reef Tank LED Light Fixture
- Mounting Arm Components (L-shaped part, short guide rail, long guide rail, clip mount)
- Cable Sliders
- ETL-Listed Power Adapter with 6.6-Foot Cord

4. PRODUCT FEATURES

- **Engineered Reef-Safe Spectrum:** Tuned with dominant 445–470 nm blue light, supplemented by 420 nm violet, 400 nm UV, and 660 nm red wavelengths for coral photosynthesis and pigmentation.
- **Scientific LED Layout:** Balanced intensity and spread, minimizing hotspots and shadows for consistent PAR output.
- **High PAR Output:** Delivers impressive PAR levels of 250 $\mu\text{mol}/\text{m}^2/\text{s}$ at 12 inches and 180 at 16 inches.
- **Efficient Cooling:** Built-in cooling fan and ventilation slots ensure stable, long-hour illumination.
- **All-in-One Control:** Features 2 lighting modes, 6 adjustable brightness levels, and a convenient timer with 3 duration settings.



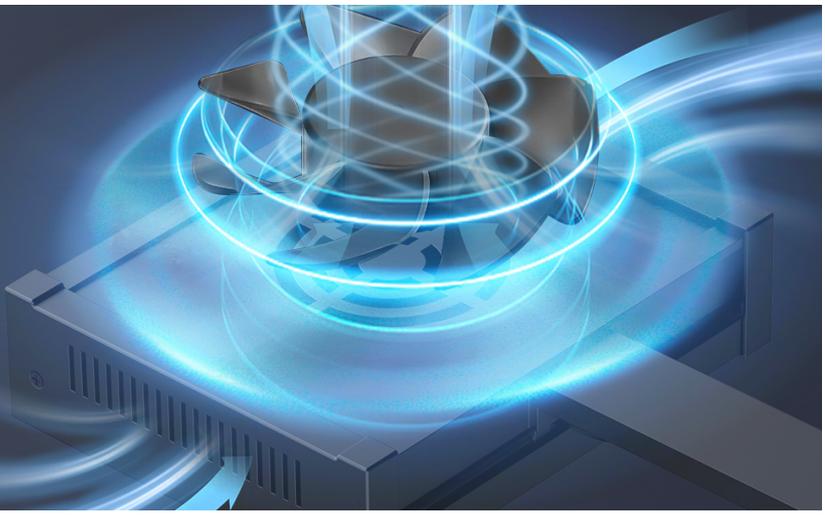
Description: Diagram illustrating the enhanced spectrum of the Pawfly LED light, including Royal Blue, Blue, UV, Violet, and Pawfly customized RGB wavelengths.



Description: A diagram showing the super wide spread of the light, indicating extensive coverage, even PAR distribution, and elimination of hotspots with approximately 120-degree spread.

Cooling Fan & Vent Holes

Provide cool, efficient performance all the time



Description: An illustration of the cooling fan and vent holes integrated into the light fixture, designed to provide cool and efficient performance.

5. SETUP AND INSTALLATION

Follow these steps to assemble and install your Pawfly Reef Tank LED Light:

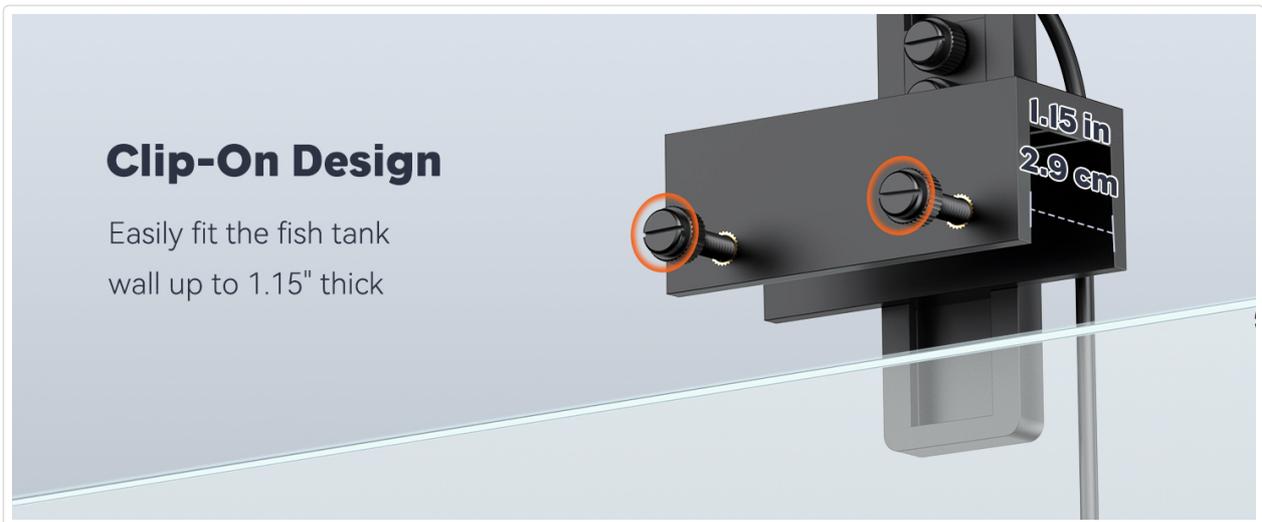
1. **Unpack Components:** Carefully remove all parts from the packaging.
2. **Assemble Mounting Arm:** Link the L-shaped part to the short guide rail.
3. **Attach Mount:** Install the clip mount onto the long guide rail.
4. **Route Cable:** Fix the power cable along the guide rails using the provided sliders to keep it tidy.
5. **Connect Rails:** Fasten the long guide rail to the short one, ensuring a secure connection.
6. **Attach Light Fixture:** Connect the light fixture to the assembled arm and tighten all screws to secure it.
7. **Mount to Tank:** Place the clip mount onto the edge of your aquarium. Turn the screws on the clip mount to securely fasten it to the tank wall. The clip-on design fits tank walls up to 1.15 inches thick.
8. **Adjust Position:** Adjust the height and extension of the light arm to achieve optimal lighting coverage over your corals.



Description: A step-by-step visual guide demonstrating the assembly process, from unpacking components to securing the light and tightening screws.



Description: An illustration highlighting the adjustable arm's flexibility, allowing users to modify the light's height and extension to suit different tank sizes and lighting needs.



Description: A detailed view of the clip-on design, illustrating how the light securely attaches to aquarium walls up to 1.15 inches thick.

Your browser does not support the video tag.

Description: A step-by-step video guide on how to properly install the Pawfly Saltwater Aquarium Light, including assembly of the mounting arm and securing it to the tank.

6. OPERATING INSTRUCTIONS

The Pawfly LED light features an integrated control panel for easy operation:

A Simple Press to Adjust Light



Control brightness of all lights

(Except the blue light)

Control brightness of blue light

Timing Setting

Work automatically for the initial 8, 10 or 12 hours within each 24-hour cycle

On/Off & Mode Switching

Long Press: Turn off all lights

Short Press: Turn on all lights/restore last lighting mode

Switch between Day and Night modes

Description: A detailed view of the integrated control panel, explaining the functions of the 'D' (Daylight brightness), 'N' (Nightlight brightness), Timer, and On/Off/Mode buttons.

Control Buttons:

- **'D' Button:** Controls the brightness of all lights (except blue light). Press to cycle through 6 brightness levels.
- **'N' Button:** Controls the brightness of blue light. Press to cycle through 6 brightness levels.
- **Timer Button (Clock Icon):** Sets the operational duration. Press to select 8H, 10H, or 12H. The light will work automatically for the initial selected duration within each 24-hour cycle.
- **On/Off & Mode Switching Button (Power/M Icon):**
 - **Long Press:** Turns off all lights.

- **Short Press:** Turns on all lights / restores the last lighting mode. Also switches between Day and Night modes.



Description: A visual guide to setting the integrated timer for 8, 10, or 12-hour operational cycles within a 24-hour period.

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Description: This video demonstrates the Pawfly 50W Reef Tank LED Light in operation, showcasing its blue spectrum lighting on various corals and fish within an aquarium.

7. MAINTENANCE

- **Cleaning:** Regularly wipe the light fixture and lens with a soft, dry cloth to remove dust and salt creep. Do not use abrasive cleaners or immerse the unit in water.
- **Inspection:** Periodically check the power cord and connections for any signs of damage or wear.
- **Ventilation:** Ensure the cooling fan and ventilation slots remain clear of obstructions to maintain proper airflow.

8. TROUBLESHOOTING

- **Light Not Turning On:**
 - Check if the power adapter is securely plugged into both the light fixture and a working power outlet.
 - Ensure the power outlet is functional by testing it with another device.
 - Press the On/Off button (Power/M icon) to ensure the light is not just in an off state.
- **Light Dim or Flickering:**
 - Verify that the brightness levels for both 'D' and 'N' channels are set appropriately.
 - Check for any loose connections in the power cord or adapter.
- **Timer Not Functioning as Expected:**
 - Ensure the timer is correctly set to 8H, 10H, or 12H. The timer initiates its cycle when first set or when the light is turned on after being off.
 - The timer operates within a 24-hour cycle, meaning it will turn on at the same time each day for the set duration. Manual adjustments to brightness will not be saved for the next cycle if the timer is active.
- **Overheating:**
 - Ensure the cooling fan and ventilation slots are not blocked by dust or debris.
 - Provide adequate air circulation around the light fixture.

9. SPECIFICATIONS

Feature	Detail
Brand	Pawfly

Model Number	Pawfly-2595
Wattage	50 Watts
Light Source Type	LED
Material	Aluminum
Mounting Type	Clip Mount
Product Dimensions	12.99"L x 8.07"W x 2.76"H
Item Weight	3.08 pounds
Bulb Features	Adjustable Brightness, Day Night Modes, Timer
Power Source	Corded Electric

10. WARRANTY AND SUPPORT

For warranty information or technical support, please contact Pawfly customer service. Refer to the product packaging or the official Pawfly website for contact details.